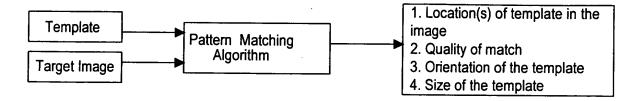
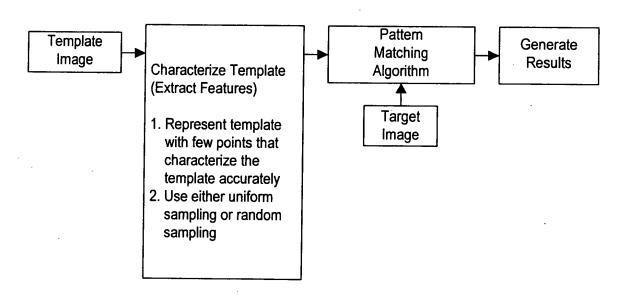
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PRIOR ART PATTERN MATCHING

FIG. 1



PRIOR ART PATTERN MATCHING WITH CHARACTERIZATION OF THE TEMPLATE IMAGE

FIG. 2

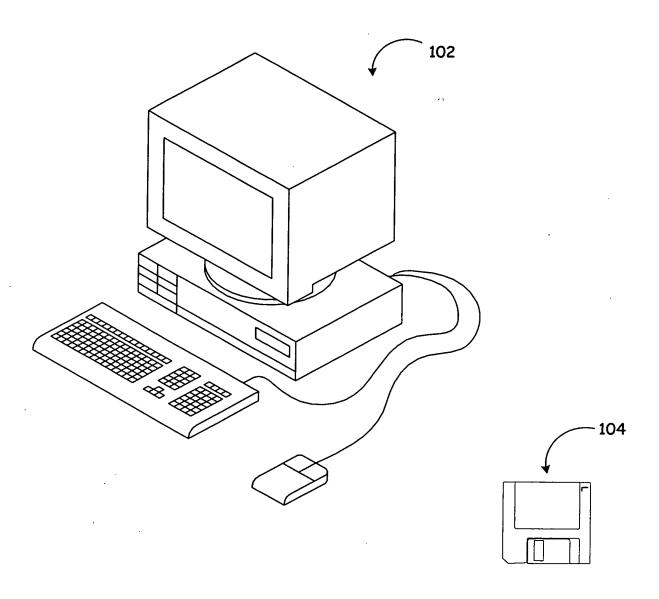


FIG. 3

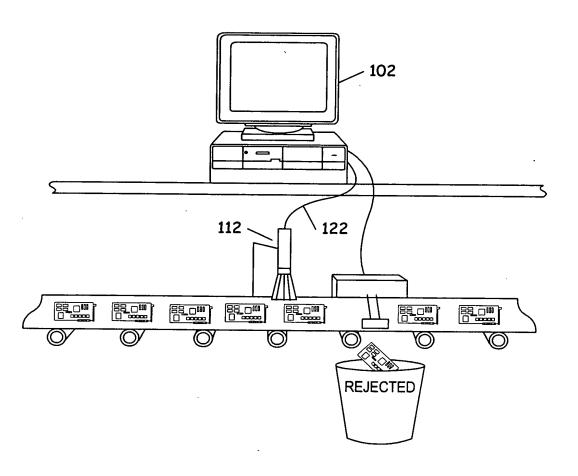


FIG. 4

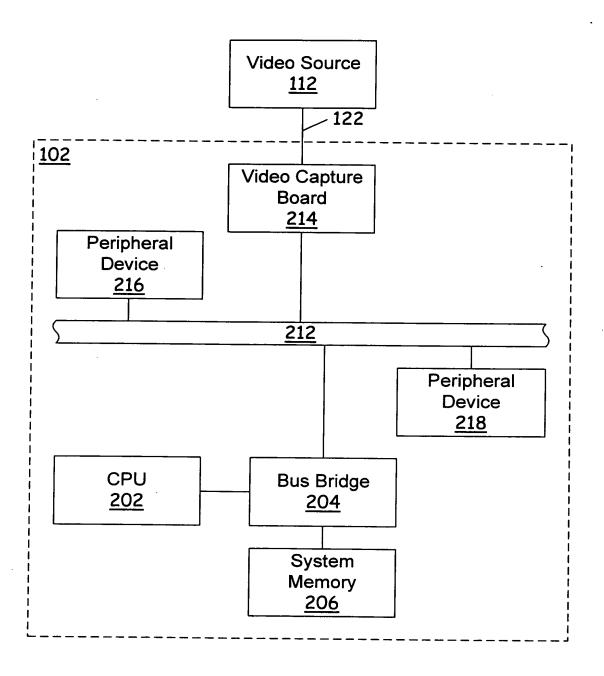


FIG. 5

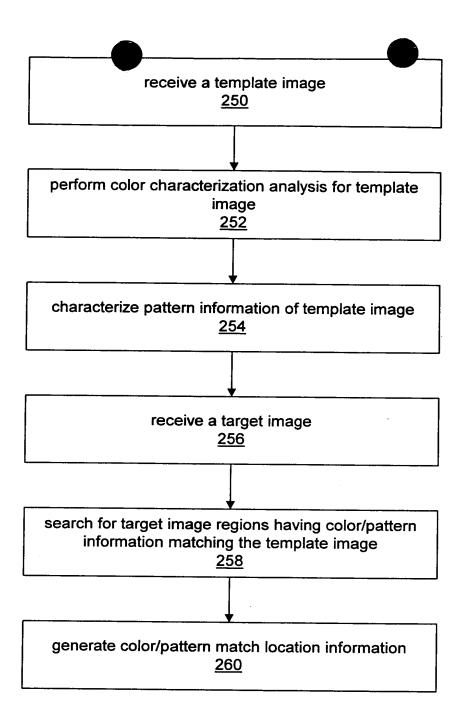
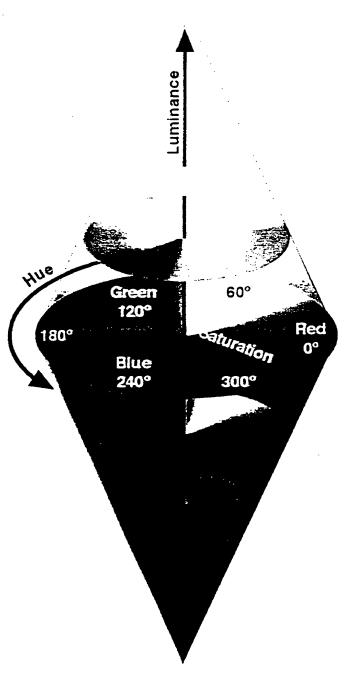


Figure 6

White



Black

FIG. 47 (need color print)

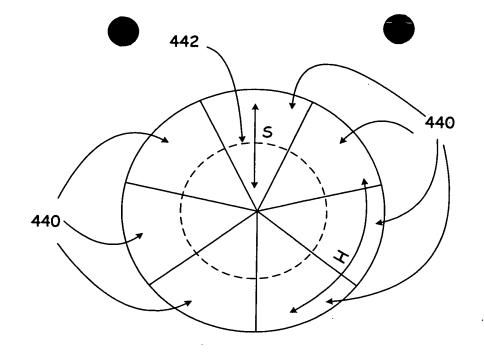


FIG. 8A

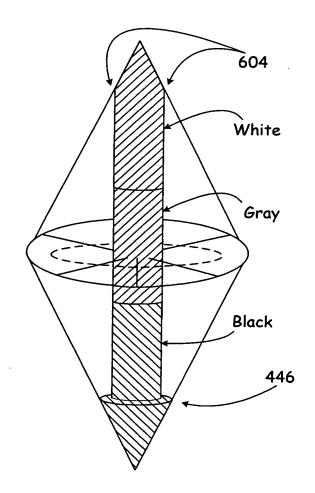


FIG. 8B

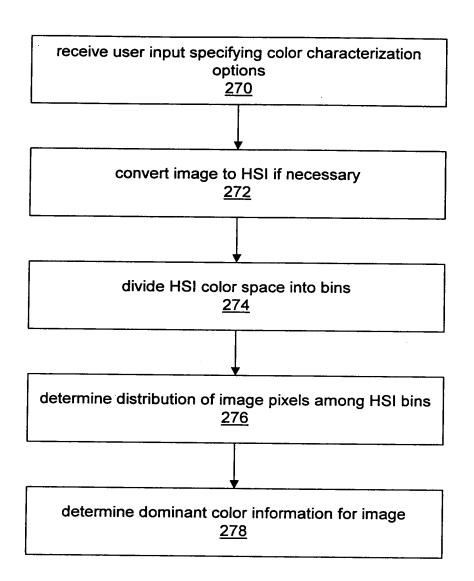


Figure 9

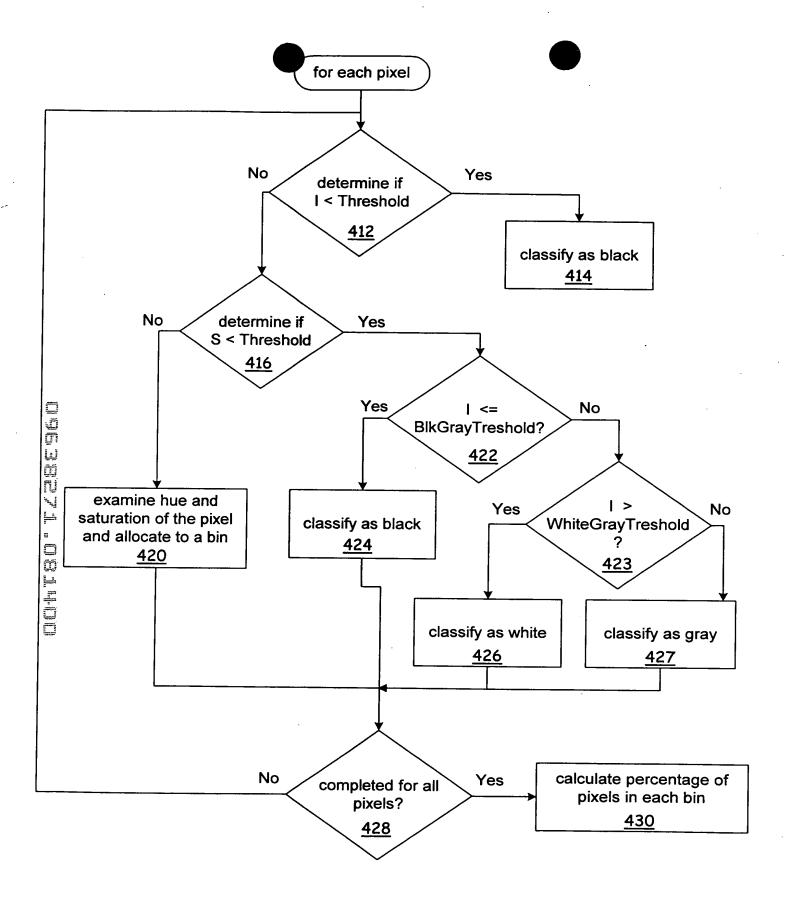


FIG. 10

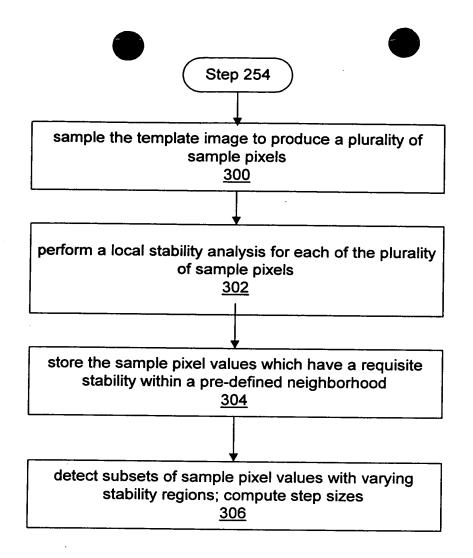


Figure 11

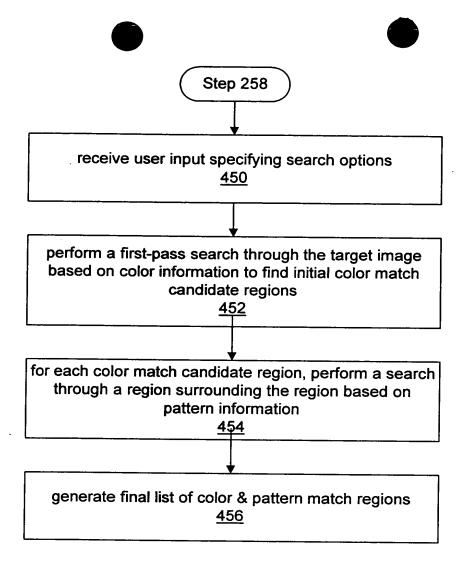
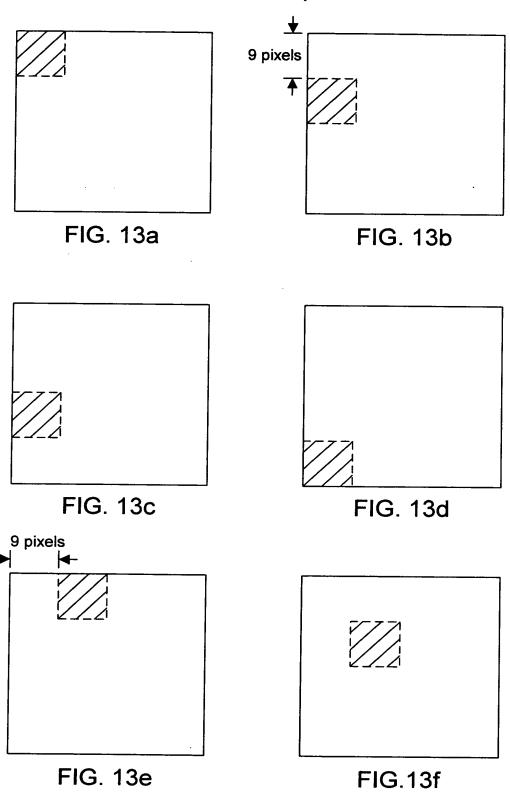


Figure 12

9 x 9 Pixel Step Size



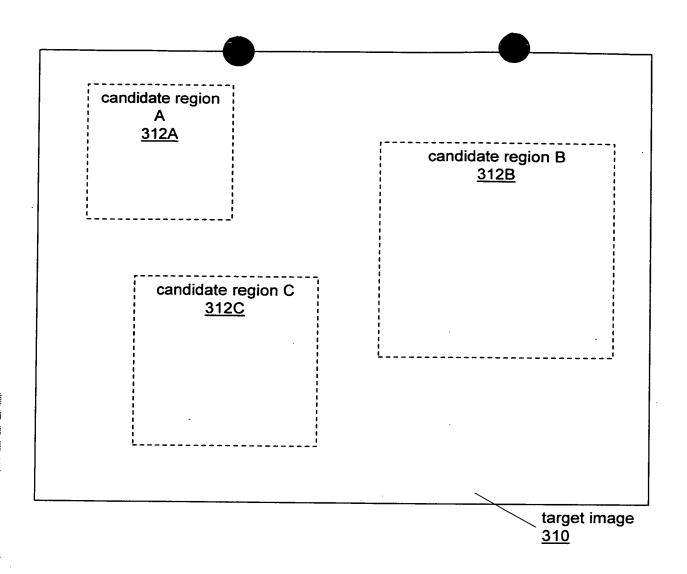


Figure 14

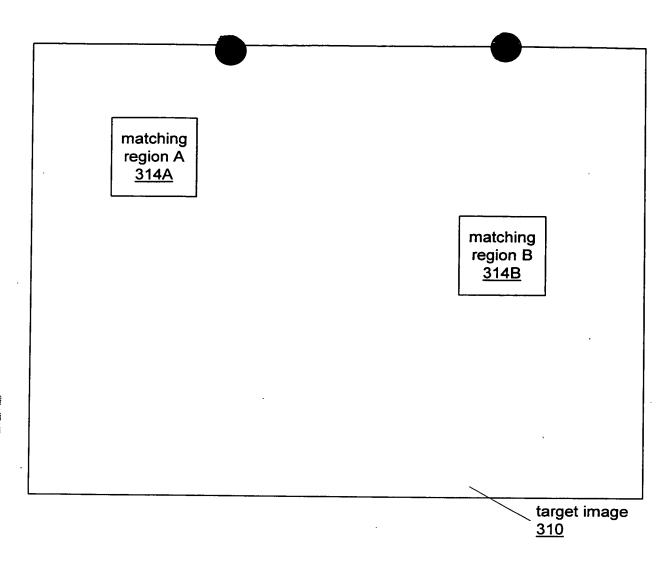


Figure 15

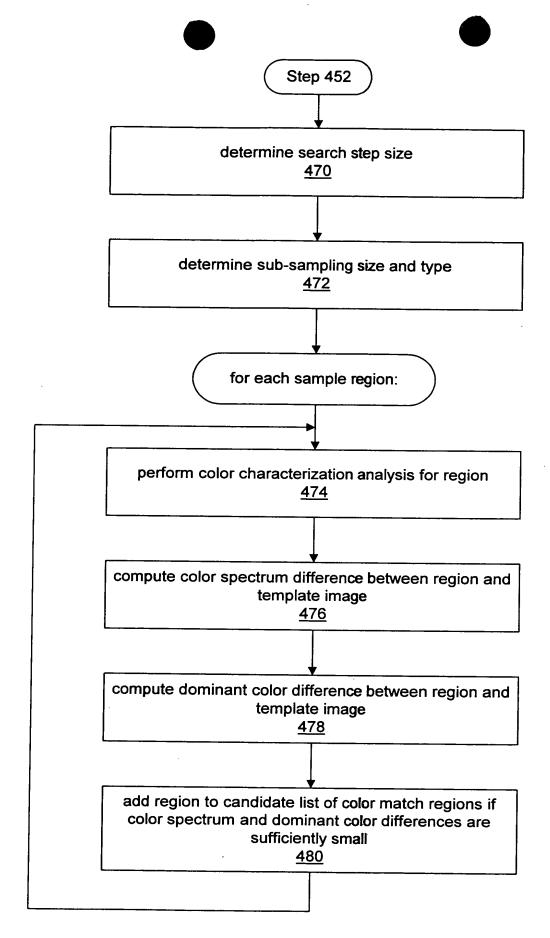


Figure 16

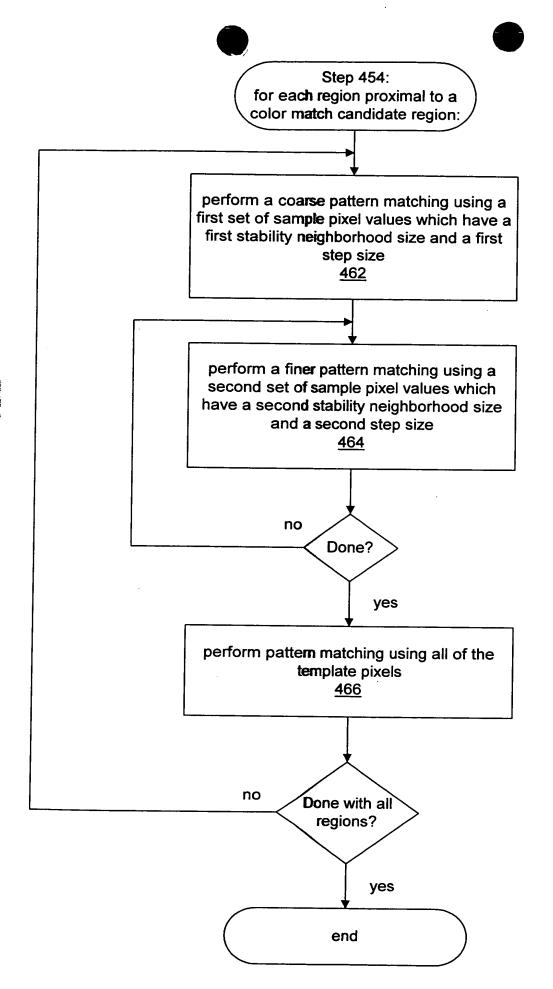
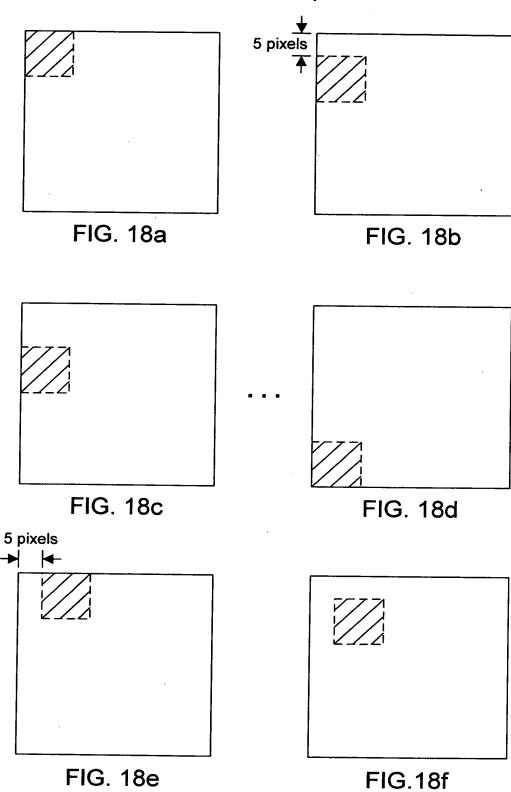


Figure 17

5 x 5 Pixel Step Size



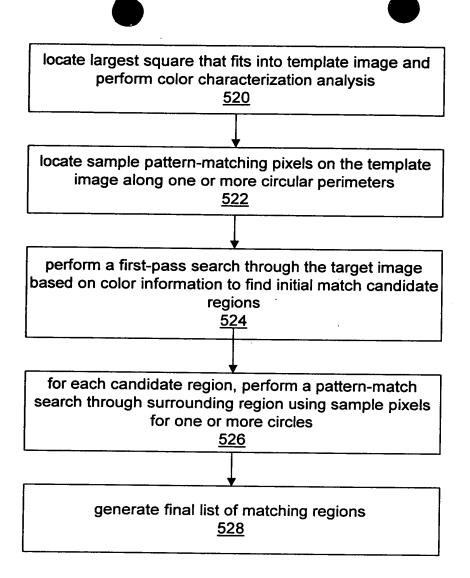


Figure 19

Figure 20

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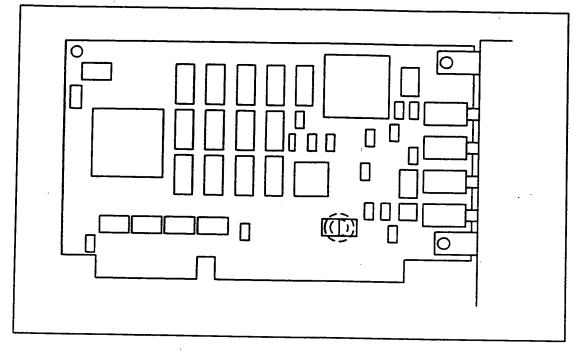


FIG. 14A Template

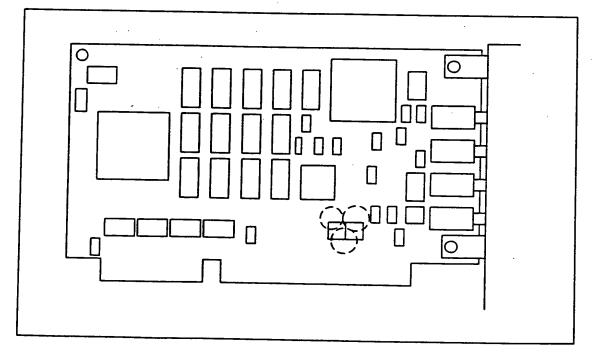


FIG. 14B

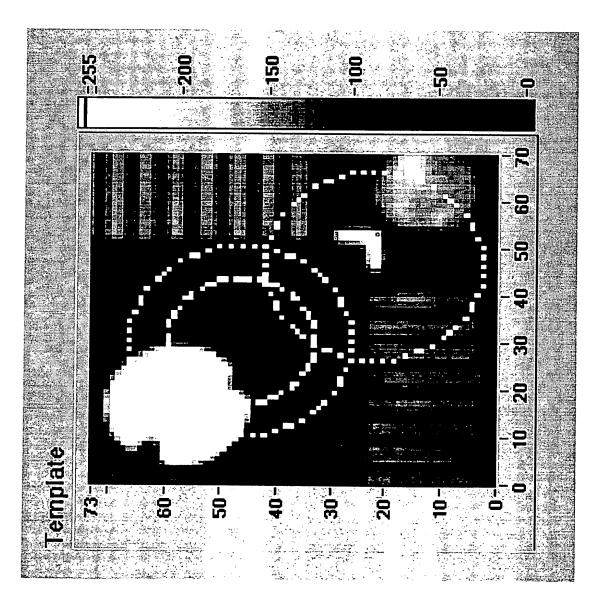


FIG. 22

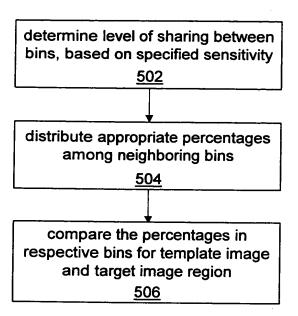


Figure 23

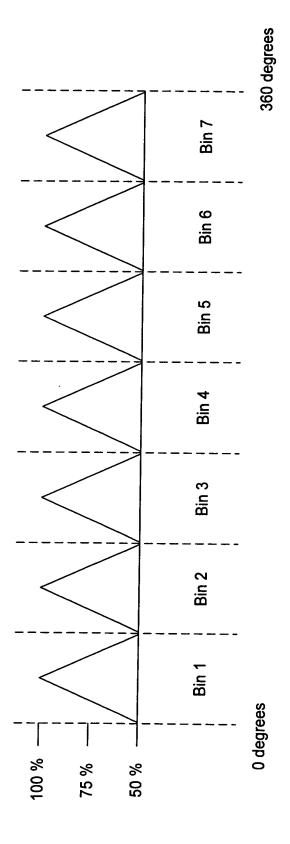


Figure 24

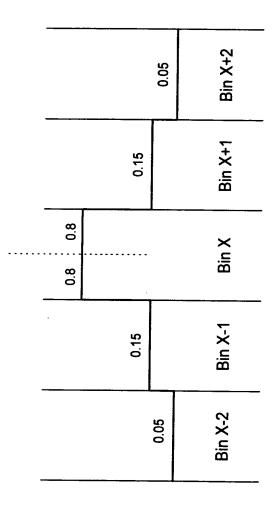


Figure 25

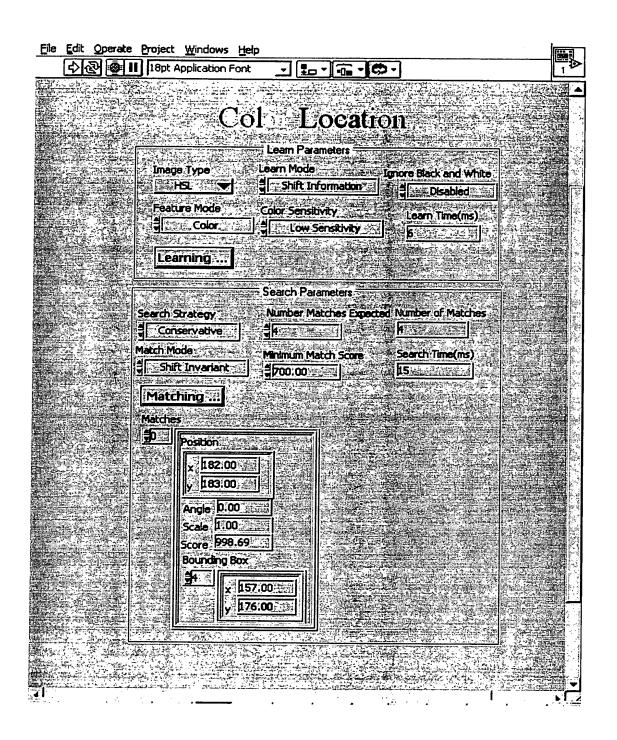


Figure 26

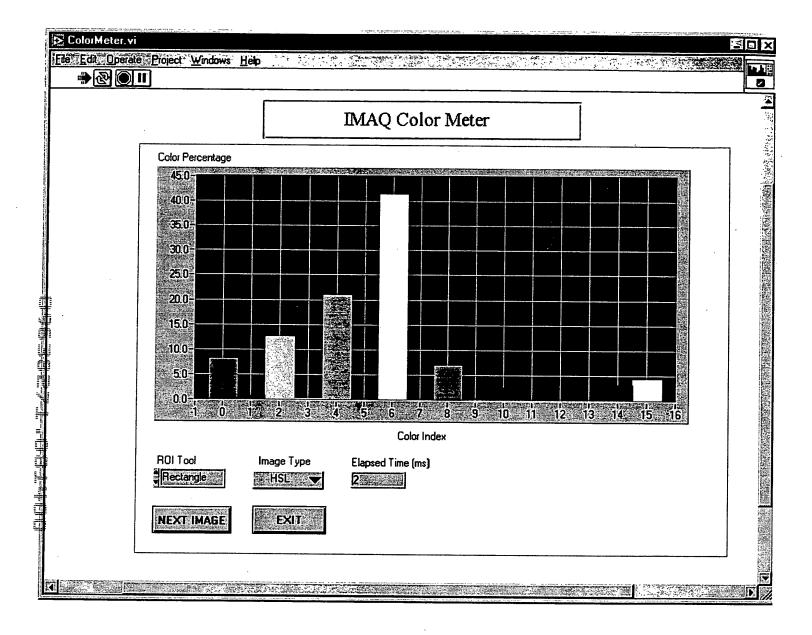


FIG. 27